Punkt 11+8 Betriebs Spannung Ausgangs Verstärker

LC-Siebglied

C504 R506 Oszillator Bauteile

D501 → Verpolungs schutz

L501 CHOKE

D501 6A2 C501 16-3900 C502 16-3900

Q501 2SB631K-E

R501 680 R502 1K5

Q502 2SC3402

REMOTE ① DC12V IN ② GND ③ J501

D502 IN4003

C503 0.1 R503 27K

R504 150K

C504 0.001(M) R506 18K C505 16-220

Vcc

IC501 TL 494

5 6 7 16 12 11 8 9 10

3 2 4 13 15 14 1

5V 5V 5V

A1 A2

5 3Vss 1.45μs

9 10 PWM 6.8Vss 5μs 1μs 20μs

C506 R509 0.1(M) 18K R513 4K7 R510 100K

C507 10-100 R515 3K9

Q513 2SA1348

R516 10K D503 18V R519 4K7 D505 6.8V

12V

R517 4K7 D504 1SS133 5.2V

Q514 2SC2735F Q515 2SC3402

H501 80°C PTC

C512 0.1 R520 VR501 10K 22K R521 1K5 D508 39V

R512 4K7 R514 4K7 C508 35-10 C509 50-2.2 R518 4K7

R511 220-1W

D509 13V -33V

+12V

IC502 PC817

R523 1K R522 4K7 H502 22K +33V

D302 BAS11 R308 6.8K

T501

Q507 Q508 Q509 Q510 Q511 Q512 2SK812

R530 R531 R532 R533 R534 R535 10 1/2W

R529 1K R528 1K

R537 100-1W C513 0.033(M) C514 0.033(M) C513 0.1 R536 100-1W R538 680-1W C516 0.001(M)

D506 ESAC25-02C D511 ESAC25-02N

R539 C517 100 330P(C) L502 CHOKE V+

C520 35-4700 C519 35-4700

L503 CHOKE V-

R540 C518 100 330P(C)

POWER ON R309 3.3K LED R310 1.2K-2W

C510 330P(C) R524 100 Q503 2SD1862 Q504 2SB1240

R525 330 R526 330 Q505 2SB1240 C511 330P(C) R527 100 Q506 2SD1862

VR201+202 Arbeitspunkt

*** = Arbeitspunkt stabilisierung

bei Bridge NF EINGANG

+33V

R107 4K7 H102 3K3 R109 100 R110 100 Q105 BC307B

D107 H101 BAS11 3K3

D105 8.2V D106 BAS11

R104 3K3 R105 3K3 R108 2.49K Q104 BC307B

VR102 1K R106 680 Q103 BC337

Gate vor-Spannung

Differenz-verstärker

Q106 BC556B R123 100 Q108 IRF641 R124 1K 32V

12 ± mV ⇒ Ruhestrom

J101a CH L INPUT SENS.ADJ

C101 50-10 R103 2K2 R102 33K C102 220P

Q101 BC414B X2 Q102 R112 240 C104 16-100

R116 33K C105 5.6P(C)

Q107 BC556B R125 0.22-5W 0V

R126 0.22-5W R129 C108 1-1W 0.22

C301 0.01 R301 220-1W

IC 101 CA3096

R114 7K5 D102 R118 1K2 R119 1K D104 BAS11

D101 BAS11 D103 BAS11

R120 2K7 1/2W R121 330 R122 120

Konstant-stromquelle

Schutzschaltung

Q109 IRF641 R127 100 -33V

Gate vor-Spannung

R128 1K

R111 1K R113 1K R115 4K7 R117 3K2

STEREO R302 33K

BTL SW101

= Bridge

C106 35-2200 C107 0.22 Siebglied

C109 35-2200 C110 0.22 Siebglied -33V

J101b CH R INPUT SENS.ADJ

C201 50-10 R203 2K2 R202 33K C202 220P

Q201 BC414B X2 Q202 R212 240 C204 16-100

R216 33K C205 5.6P(C)

C302 50-10

Q207 BC556B R225 0.22-5W R226 0.22-5W R229 1-1W 0.22 C208 0.22

R214 7K5 D202 R218 1K2 R219 1K D204 BAS11

D201 BAS11 D203 BAS11

R220 2K7 1/2W R221 330 R222 120

IC201 CA3096

Q209 IRF641 R227 100 -33V

Gate vor-Spannung

R228 1K

R211 1K R213 1K R215 4K7 R217 8K2

Siebglied C209 35-2200 C210 0.22

R303 680-1W D301 1N4003 R304 10K R305 56K R306 56K R302 56K

IC301 uPC1237HA

C303 16-33 C304 50-4.7 C305 10-330

RELAY

(STEREO) (BTL)

① R+ S.P.K −

② R−

③ L+ S.P.K +

④ L− J201

> = NF-Signal weg

2	. .				DWG		91.10.13	CAL WT	MATERIAL	NAME: CIRCUIT DIAGRAM
1	. .				CHK		. .	ACT WT	FINISH	DWG NO: AMA 275
SYM	DATE	DSGN	REVISION	APPR	APPR		. .		UNIT mm SCALE	ZYLUX CO.,LTD